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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/666,911	09/19/2003	Kazumoto Shinojima	9319S-000551	6489
27572	7590	03/24/2005	EXAMINER	
HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 828 BLOOMFIELD HILLS, MI 48303			CHIEM, DINH D	
			ART UNIT	PAPER NUMBER
			2883	

DATE MAILED: 03/24/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/666,911

Applicant(s)

SHINOJIMA KAZUMOTO

Examiner

Erin D. Chiem

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on September 19, 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☒ Claim(s) 3,-5,9-10 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 9/19/03.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

This office action is in response to the application filed in the US on September 19, 2003.

Priority

Applicant claimed Japanese foreign priority 2002-275194 filed on September 20, 2002.

Information Disclosure Statement

The IDS filed on September 19, 2003 is considered by the Examiner, see the attached Form 1449.

Claim Objections

1. A series of singular dependent claims is permissible in which a dependent claim refers to a preceding claim which, in turn, refers to another preceding claim.

A claim which depends from a dependent claim should not be separated by any claim which does not also depend from said dependent claim. It should be kept in mind that a dependent claim may refer to any preceding independent claim. In general, applicant's sequence will not be changed. See MPEP § 608.01(n).

Claims 3-5, and 9-10 are incorrectly numbered. Simply arrange claim 3 as the last claim will correct this minor error.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

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3. Claim 1- 14 are rejected under 35 U.S.C. 102(b) as being anticipated by Yoshii et al. (US 6,147,724 A). Yoshii et al. teach a display usable in portable electronic devices comprising an electro-optical panel (Fig. 4A, POL1, VINC1, SUB2, SUB1) having electro-optical material, a conductive terminal (Fig. 1C, TRM2) arranged on one side, specifically backside of the electro-optical panel, and a holding member (Fig 4A, FHD, SHD) for holding the electro-optical panel wherein the conductive terminal is disposed on a surface inclined (Fig. 26B) in a predetermined direction relative to an arrangement position of the holding member. The holding member comprises a fixing structure for mounting the electro-optical device and object at the arrangement position (Fig. 7,8, col. 7, line 66 – col. 8, line 2) and also is a supporting platform for the panel and circuit board. The electro-optical device also comprise a wiring circuit board arranged incline in the predetermine direction (Fig. 5A, FPC2 (a)) wherein the conductive terminal is disposed on the wiring circuit board (col. 11, line 46-50). The aforementioned support unit is part of illuminating means for illuminating the electro-optical panel (Fig. 26B, GLB). The illuminating is a fluorescent tube illuminating the light guide plate from the edge (Fig. 4A, 53A, LP). Note the inclining surface having tapering thickness.

4. Regarding claim 9, due to the vagueness of the claim language, the Examiner interpret that the conductive terminal made of a conductor maybe 2 different types conductor and employed at two different location on the electro-optical device. As pointed out above, the conductive terminal is made of a thin film, therefore, is not substantially deformed in a direction contacting with a contacting object. Furthermore, Yoshii et al. also teach using a foil conductor (LY) which is readily elastically deformable substantially in a contacting direction of an object (col 18, line 27-30). Furthermore, the electro-optical display has a controlling mean (Fig. 37 A)

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and comprise a connector (Fig. 52, LCT or LY) mounted thereon and having an opposing terminal.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Katahira et al. teach the similar inventive concept of a liquid crystal panel display which may be used in portable electronic devices such as cellular phones.

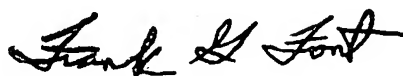
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Erin D. Chiem whose telephone number is (571) 272-3102. The examiner can normally be reached on Monday - Thursday 9AM - 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank G. Font can be reached on (571) 272-2415. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Erin D Chiem
Examiner
Art Unit 2883

EDC



Frank G. Font
Supervisory Patent Examiner
Technology Center 2800